

ENVIRONMENTAL PROTECTION AGENCY • STATE OF ILLINOIS



William L. Blaser, Director • Richard B. Ogilvie, Governor

2200 Churchill Road • Springfield, Illinois 62705 •

Telephone: 217-525-3397 *Reference 2* *IL 1000808113*

*Region III Copy*

"DUPLICATE COPY"

APPLICATION FOR PERMIT  
FOR DEVELOPMENT AND OPERATION OF  
SOLID WASTE MANAGEMENT SITE

And to Register Site in Accordance With The Environmental Protection Act

APPLICATION MUST BE SUBMITTED IN DUPLICATE

RECEIVED

DO NOT WRITE IN THIS SPACE - FOR E.P.A. USE ONLY.

AUG 20 1973

Vermilion County - Land Pollution Control

Danville

Thomas I

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

Application Received: 8/20/73

Permit Number \_\_\_\_\_

Reviewed by: Geol. (☒) Engr. ( ) Op. ( )

L.P.C. Region \_\_\_\_\_

Date: \_\_\_\_\_

Plan File Ref: \_\_\_\_\_

Letter Attached: \_\_\_\_\_

Permit: Granted (DE) 6/20/74 Denied 9/27/73  
4/25/74

Notice To: \_\_\_\_\_

Date: \_\_\_\_\_

Type of Solid Wastes Site:

- (☒) Sanitary Landfill
- ( ) Incinerator
- ( ) Composting
- ( ) Other \_\_\_\_\_

RECEIVED

PART I - APPLICANT INFORMATION

AUG 20 1973

A. SITE IDENTIFICATION

JOSEPH D. THOMAS

1. Name of Applicant

(Person responsible for operation)

Non-responsive

City

State

Zip Code

Non-responsive

Telephone:

(Area Code) (Number)

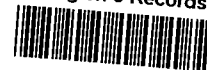
3. Name of Land Owner

JOSEPH D. & CATHERINE J. THOMAS

(If same as above, so indicate)

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

EPA Region 5 Records Ctr.



353626

Non

res  
pon

City

State

Zip Code

THOMAS 12<sup>th</sup> STREET DISPOSAL

5. Name of Site

GREENWOOD CEMETERY ROAD AT 12<sup>th</sup> STREET

6. Address of Site

(Street, P.O. Box, or R. R. #)

DANVILLE

IL.

61832

City

State

Zip Code

VERMILION COUNTY

DANVILLE

County

Township

7. Ownership (Check Applicable Boxes)

- ☒ Presently Owned  
☐ To Be Purchased

- ☐ To Be Leased For \_\_\_\_\_ Years  
☐ \_\_\_\_\_ Years of Lease Remaining

B. SITE BACKGROUND (Check Applicable Box or Boxes)

8. ☒ This is an existing operation begun AUG. (mo.) 1967 (yr.).  
☐ This is a proposed new operation.  
☐ This is a proposed new extension of an existing adjacent operation;  
Illinois EPA Permit No. \_\_\_\_\_; No Illinois Permit ( ).

PART II - LOCATION INFORMATION

A. ZONING AND LOCAL REQUIREMENTS

9. Present zoning classification of site IS 1 - 2 (COMMERCIAL)

10. Does present zoning of site allow the proposed usage? ☒ Yes ☐ No.

11. Restrictions (if any) NONE

12. Check applicable boxes which describe the use of adjacent properties surrounding site.

	Residential	Commercial	Industrial	Agricultural	Other*
a. North	( )	( )	( )	( )	( ) <sup>1</sup>
b. East	( )	( )	( )	( )	( ) <sup>2</sup>
c. South	( )	( )	( )	( )	( )
d. West	( )	( )	( )	( )	( )

\* SPECIFY USE CLASSIFICATION

1-INTERSTATE HWY. & WOODLAND  
2-RIVER & ABANDONED STRIP MINE PITS

RECEIVED

AUG 20 1973

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

13. a. Are there any permits, operational requirements, licenses, or other requirements or restrictions by any municipality, planning commission, county, county health department, state agency, or other governing body? List: \_\_\_\_\_

**STATE OF ILLINOIS, DEPARTMENT OF PUBLIC HEALTH, DIVISION  
OF SANITARY ENGINEERING.**

- b. Have these requirements, licenses or restrictions been approved by the agency or governing body? ~~FILED MAY 1979~~ **FACT APPROVAL ONLY** ( ) Yes ( ) No
- c. If the answer to (b) is yes, include photocopies of supporting documents.

**B. LOCATION**

14. Attach a copy of the United States Geologic Survey (USGS) topographic quadrangle map of the area which contains the site.

Quadrangle Map Provided: DANVILLE SE QUADRANGLE 1956  
(Name) (Date)

15. a. Outline on the USGS topographic quadrangle map the location and extent of the site.

- b. Provide a legal description of the site. (Typewritten on attached sheet.)

**LOT 76 OF SCHOOLS SUBDIVISION OF**

Quarter, 16 Quarter, 19 NORTH Quarter 11 WEST  
of Section OF THE 2ND. P. M. Township, Range

16. General topographic characteristic. (Flood Plain, Hillside, Field, Strip Mine, Quarry, Gully, etc.) **COAL STRIP MINE - HILLSIDE AREA**  
Briefly Describe: \_\_\_\_\_

17. Plot the following information on the USGS quadrangle topographic map, if within the site or within a half-mile of outer perimeter of facility:

1. Wells (domestic, industrial, etc.)
2. Public water source (wells, stream, etc.)
3. Residences or residential areas, commercial facilities, industries, institutions, etc.
4. Other pertinent facilities not shown on topographic map such as diverted streams, strip mines, ponds, etc.

If scale of quadrangle map is insufficient, show on a separate topographic map. **SEE DRAWING NO. 18-19-11-08 ATTACHED.**

**RECEIVED**  
**AUG 20 1973**  
**ENVIRONMENTAL PROTECTION AGENCY**  
**STATE OF ILLINOIS**

A. SUBSURFACE INFORMATION

18. THE SERVICES OF A & H ENGINEERING CORPORATION WERE EMPLOYED TO OBTAIN THIS DATA. IN VIEW OF THE FACT THIS IS AN OPERATING LANDFILL WHICH HAS BEEN FUNCTIONING SINCE AUGUST 1967, BORINGS WERE ARRANGED ON THE OUTER PERIMETER OF THE CENTRAL FILLED AREA. THE GEOLOGY OF THE AREA TOGETHER WITH COMMENTS RELATIVE TO TOPOGRAPHY, DRAINAGE AND VEGETATION ARE GIVEN IN THE ATTACHED REPORT.

RECEIVED

AUG 20 1973

B. SOIL BORINGS

19.

IN ACCORDANCE WITH INSTRUCTIONS GIVEN, BORINGS WERE MADE TO A DEPTH OF 31 FEET TO FULFILL THE 30 FOOT MINIMUM. THE LOGS OF THE SIX BORINGS TAKEN ARE ATTACHED HERETO.

20. BEDROCK WAS NOT ENCOUNTERED OR EXPECTED ON ANY OF THE BORING LOCATIONS. THIS IS BEST EXPLAINED IN THE PARAGRAPH DEALING WITH THE GEOLOGY OF THIS AREA. THIS REPORT IS ATTACHED. THE FACT THAT THIS LANDFILL OPERATION HAS BEEN CARRIED ON FOR THE PAST SIX YEARS, LEFT LITTLE TO BE REVEALED BY THE BORINGS THAT WAS NOT ALREADY KNOWN.

C. MATERIALS SAMPLING DATA

21. A. IN GENERAL, THE TEXTURE CLASSIFICATION AT THIS SITE WILL RANGE FROM CLAYEY SILT TO SILTY CLAY THENCE TO SAND AND GRAVEL. MATERIALS FOUND IN BORINGS B1, B2, B3 AND B4 ARE CONSIDERED TO BE UNDISTURBED AREA AS REGARDS TO THE PAST COAL STRIPPING OPERATION. BORINGS B5 AND B6 MAY SHOW SOME CHARACTERISTICS RESULTING FROM THE PREVIOUS COAL MINING OPERATIONS. ATTACHED LOGS GIVE ALL THE DETAIL.
- B. THE SOIL ANALYSIS CHARTS WHICH ACCOMPANY THIS APPLICATION REVEAL THE GRAIN SIZE TO LIE IN A RANGE OF 0.90 TO 0.003 MILLIMETERS. THE DISTRIBUTION IS WELL DEFINED BY THE SIX CURVES.
- C. PERMEABILITY TEST RESULTS WERE MADE AT BORING LOCATIONS B4, B5 AND B6. THESE PROBES REACHED THE LOWEST LEVELS AND SHOULD BE REPRESENTATIVE OF THE BASE UPON WHICH THE LANDFILL IS BEING MADE.
- D. A VOID RATIO OF .300 TO .843 IS REPORTED, DISCOUNTING THE B4 BORING SINCE IT IS MUCH BELOW THIS OPERATION IN ELEVATION. THE ATTACHED REPORT CONTAINS FULL DETAILS.
- E. ION-EXCHANGE CAPABILITY IS SHOWN BY THE ATTACHED REPORT. IT MAY BE HELPFUL TO KNOW THE FOLLOWING:
- | BORING | SAMPLE | S-# | I.E.C. | SAMPLE ELEV. | FEET A.S.L. |
|--------|--------|-----|--------|--------------|-------------|
| B5     | S-5    |     | 7.69   | 559          |             |
| B3     | "      | S-7 | 1.32   | 600          | "           |
| B4     | "      | S-6 | 10.98  | 520          | "           |
| B2     | "      | S-3 | 1.16   | 620          | "           |
| B6     | "      | S-4 | 4.95   | 590          | "           |

## PART III \* LF \* GENERAL DESIGN REPORT

### D. GROUND WATER

22 A. GROUND WATER LEVELS SHOWN IN THE A & H REPORT MUST BE CONSIDERED AND EVALUATED AS MAXIMUM. THE FALL OF 1972, WINTER OF 1972 AND 1973, AND THE SPRING OF 1973 ARE ALL REPORTED TO HAVE HAD ABOVE AVERAGE RAINFALL IN THIS AREA. IN FACT, THIS REPORT AND APPLICATION WERE DELAYED BY THE EXISTING FIELD CONDITIONS UNFAVORABLE TO SURVEY OPERATIONS TO PROCURE DATA NECESSARY TO COMPLETE THIS REPORT.

A LISTING OF THE BORINGS RELATIVE TO THEIR PROXIMITY TO THE RIVER IS SHOWN AS FOLLOWS:

B1	FARTHEST FROM THE RIVER	REPORTED G.W. ELEV.	617.0
B2		" " "	617.4
B3		" " "	591.1
B6	PROBE TO ELEV. 566.8	" NO WATER	
B5		" G.W. ELEV.	543.5
B4	NEAREST TO RIVER	" " "	513.8
	RIVER LOW WATER	" "	508.0

#### B. & C.

AS SHOWN IN THE PRECEDING PARAGRAPH, THE WATER LEVEL DROPS RAPIDLY AS THE PROXIMITY TO THE RIVER INCREASES. THE 617 GROUND WATER ELEVATION WAS APPROXIMATELY 1500 FEET FROM THE RIVER OR 1200 FEET FROM THE 513.8 GROUND WATER LEVEL. IT IS PROBABLE UNDER NORMAL CONDITIONS A GROUND WATER LEVEL AT THE RIVER MAY AVERAGE 510 AND AT 1200 FEET AWAY AN ELEVATION OF 590 MAY BE EXPECTED.

RECEIVED

AUG 20 1973

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

PART IV - LF - CONSTRUCTION PLANS  
AND SPECIFICATIONS

RECEIVED

AUG 20 1973

A. SITE DEVELOPMENT PLAN

23. THIS SITE CONSISTS OF A 39 ACRE SITE KNOWN AS <sup>ENVIRONMENTAL PROTECTION AGENCY</sup> ~~LOT 86~~ <sup>STATE OF ILLINOIS</sup> SCHOOL SUBDIVISION. LAND FILL OPERATIONS HAVE BEEN IN PROGRESS SINCE AUGUST 1967. THE FIRST SURFACE DATA WAS OBTAINED IN APRIL 1970 AND THIS IS AS NEAR AS WE CAN COME TO SHOWING THE ORIGINAL CONDITIONS. THIS SURFACE CONDITION IS ILLUSTRATED ON TOPOGRAPHIC MAP, DRAWING NUMBER D-16-19-11-04, AND THE MAP IS ATTACHED HERETO.

ON THIS MAP ARE SHOWN THE SIX BORING LOCATIONS. THE BORINGS WERE TAKEN IN MAY 1973. A DETAILED DISCUSSION RELATIVE TO THE BORINGS IS INCLUDED IN SECTIONS 18 THRU 22 OF PART III OF THIS APPLICATION. AREA FILLED OR PARTLY FILLED AS THE RESULT OF PAST OPERATIONS IS DESIGNATED ON THIS MAP.

24. DETAILED TOPOGRAPHIC MAP (DRAWING No. D-16-19-11-12 )

- A. ALL BUILDINGS, FENCES, ROADWAYS AND RELATED IMPROVEMENTS SHOWN ON THIS DRAWING ARE EXISTING AND CURRENTLY IN USE. CONTOUR LINES ARE SHOWN TO REPRESENT THOSE PLANNED WHEN THE LAND FILL IS COMPLETED.
- B. BROKEN CONTOUR LINES ARE USED TO SHOW ORIGINAL LEVELS AND SOLID CONTOUR LINES DEFINE THE INTENDED SHAPE OF THE SURFACE WHEN THE LAND FILL IS COMPLETE. SINCE ABOUT 40% OF THE FILLED AREA IS IN A CUT SECTION, EARTH FOR COVER MATERIAL IS AVAILABLE IN ADEQUATE QUANTITY ON THIS SITE. CUTTING OPERATIONS ARE PLANNED TO OPERATE CONCURRENT WITH FILLING OPERATIONS TO AVOID EXTRA HANDLING SUCH AS INCURRED BY STOCKPILING. HOWEVER, SPACE IS AVAILABLE FOR STOCKPILING IF NEEDED DURING THE WINTER MONTHS.
- C. SURFACE DRAINAGE IS DIVIDED INTO THREE SMALL WATERSHEDS. THE EVEN SLOPE OF THE SLOPES OF THE LAND FILL IS MAINTAINED TO AVOID ANY CONCENTRATION OF THE FLOW OF RUNOFF. THE SLOPES APPROXIMATE 4:1 IN THE STEEPEST PORTIONS. THEREFOR, THEY CAN BE MOWED WITH MECHANICAL EQUIPMENT. VEGETATION WILL BE ESTABLISHED AND MAINTAINED TO CONTROL AND TENDENCY FOR EROSION TO TAKE PLACE OF THE FINAL COVER MATERIAL. A GRASS WATERWAY IS TO BE CONSTRUCTED ALONG THE SOUTH BOUNDARY TO ASSURE THAT NO SURFACE RUNOFF FROM THE LAND FILL WILL FLOW ONTO AN ADJOINING PROPERTY IF SAID PROPERTY IS OWNED BY OTHERS.

25. CROSS-SECTIONS DRAWING NUMBER D-16-19-11-13

- A. THE SCALE IS EXAGGERATED ON THIS DRAWING TO BRING OUT THE DETAIL. AREAS SHOWN AS FILL AREAS ARE PARTIALLY FILLED AT THIS TIME AND WORK IS STILL IN PROGRESS.

PART IV - LIFT - CONSTRUCTION PLANS  
AND SPECIFICATIONS

25 CONTINUED

- B. THE SEQUENCE OF PLACEMENT IS SHOWN TO BEGIN AT THE BOUNDARY OF THE PREVIOUSLY FILLED AREA AND PROGRESS AROUND THIS CORE IN SUCCESSIVE LAYERS UNTIL THE PLANNED OUTER LIMITS ARE REACHED. THE FILL IS MADE IN 30" TO 36" COMPACTED THICKNESS OF LAYER WITH THE
- C. USUAL 6" DAILY COVER AND 12" COVER FOR THE LIFT. FINAL COVER IS 24" COMPACTED THICKNESS GRADED TO CONFORM TO THE SURFACE CONTOURS PLANNED.
- D. THE SLOPE OF THE WORKING FACE IS APPROXIMATELY 4:1, FOUR FEET HORIZONTAL TO ONE FOOT VERTICAL, AND WIDTH OF FACE AVERAGES ABOUT 40 FEET. THE DAILY AVERAGE PLACEMENT IS ESTIMATED TO BE 5400 CUBIC FEET COMPACTED, PLUS COVER. THE BASE OF THE FILL SECTION IS AT ALL TIMES OPEN TO GRAVITY DRAINAGE. THEREFOR, ANY RUNOFF ENTERING THE FILL SITE IS NOT RETAINED BUT FLOWS AWAY FROM THE POINT OF OPERATIONS WITH NO ACCUMULATION AT ANY TIME.
- E. THE FILL, WHEN COMPLETED, WILL HAVE A FINISHED SLOPE OF 4:1 OR FLATTER WITH THE FINAL COMPACTED COVER IN PLACE.
- F. SOIL BORINGS INDICATE A GRAY CLAYEY SUBSOIL TO BE FOUND AT THE BASE ELEVATION AND BELOW THE BASE PLANNED.
- G. THE TOP OF THE WATER TABLE IS ESTIMATED, BASED ON PAST SIX YEARS OF EXCAVATION EXPERIENCE ON THE SITE IN ADDITION TO THE RECENT SOIL BORINGS, TO BE ABOUT ELEVATION 590 ABOVE MEAN SEA LEVEL AT THE FARTHEST POINT ( SOUTH LINE OF THIS PROPERTY ) FROM THE RIVER. AT THE RIVER THE ELEVATION IS ESTIMATED TO BE ABOUT 510 FEET AMSL. THE NORTH LINE OF THIS PROPERTY WOULD HAVE A WATER TABLE ESTIMATED TO BE 530 FEET AMSL. THIS IS ALSO DISCUSSED IN ITEM D OF PART III PARAGRAPH 22A WITH TABULATIONS TO ILLUSTRATE THIS PART OF THE STUDY. FURTHER, A MONITORING WELL HAS BEEN INSTALLED AS SHOWN ON THE DETAILED TOPOGRAPHIC MAP. AT THE TIME OF BORING THIS WELL ( SPRING 1973 ) THE WATER TABLE WAS ABOVE AVERAGE LEVEL DUE TO SIX MONTHS OF ABOVE AVERAGE RAINFALL, AND WAS READ TO BE 513.8 FEET AMSL.
- H. A GRASS WATERWAY WITH 10 TO 12 FOOT BASE WIDTH AND 3:1 SIDE SLOPES WILL BE CONSTRUCTED ALONG A PORTION OF THE SOUTH BOUNDARY OF THIS PROPERTY. SEE DRAWING NUMBER D-16-19-11-12. ALSO A SMALL DIKE WITH 3 FOOT TOP WIDTH AND 3:1 SIDE SLOPES WILL SUPPLEMENT THE WATERWAY TO CARRY THIS RUNOFF FROM THE LAND FILL TO A POINT WHERE IT WILL NOT CROSS PROPERTY OWNED BY OTHERS.

PART IV - LF - CONSTRUCTION PLANS  
AND SPECIFICATIONS

26. LEACHATE HAS NOT BECOME A PROBLEM UP TO THIS POINT AND NO COLLECTION OR TREATMENT IS ANTICIPATED TO BE NECESSARY AT THIS TIME.
27. A CROSS-SECTION OF THE GRASS WATERWAY PLANNED TO BE CONSTRUCTED ON THE SOUTH SIDE OF THIS SITE IS SHOWN ON DRAWING NUMBER D-16-19-11-13. ALL OTHER IMPROVEMENTS SUCH AS ROADS, BUILDINGS, FENCES, MONITORING WELL, ETC. ARE EXISTING AS OF THIS DATE.

**B. SCHEDULE OF CONSTRUCTION**

28. AT THIS POINT IN TIME, THE SITE CURRENTLY BEING OPERATED AS A LAND FILL AREA IS ABOUT 50% FILLED. THE EXISTING OFFICE BUILDING, MAINTENANCE GARAGE, STORAGE SHED, FENCING AND ROAD FACILITIES ARE ADEQUATE TO SERVE FOR THE REMAINDER OF THE TIME REQUIRED TO COMPLETE THIS SITE.

**C. CONSTRUCTION REQUIREMENTS**

29. A DILIGENT SCHEDULE OF MAINTAINING A MINIMUM 6" COMPACTED EARTH DAILY COVER AND 12" COMPACTED COVER FOR EACH LIFT IS FOLLOWED TO ASSURE PREVENTION OF SURFACE POLLUTION.

THE TOPOGRAPHIC MAPS CLEARLY SHOW THE PLATEAU ON WHICH THIS OPERATION EXISTS. THE LOWEST POINT OF THE BASE OF THE LAND FILL IS WELL ABOVE FLOOD STAGE OF THE RIVER WHICH IS NORTH AND EAST OF THIS SITE.

THE OFFICE BUILDING PROVIDES SHELTER, HEAT AND LIGHT FOR THE EMPLOYEES. WATER IS TRANSPORTED TO THE SITE FOR DRINKING AND WASHING. A 5 GALLON WATER COOLER IS USED FOR THE DRINKING WATER. ELECTRICITY IS AVAILABLE FOR USE IN LIGHTING AND FOR POWER USES. TOILET FACILITIES ARE PROVIDED.

RECEIVED  
AUG 20 1973

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS



## PART V - LF - OPERATING PLAN

### A. SOURCE AND VOLUME

30.	SOURCE	TYPE	DAILY VOLUME	WEEKLY VOLUME	YEARLY VOLUME
A.	RESIDENTIAL	GARBAGE, RUBBISH AND APPLIANCES.	80 C.Y.	1920 C.Y.	23040 C.Y.
B.	COMMERCIAL	RUBBISH & APPLIANCES	50 C.Y.	1200 C.Y.	14400 C.Y.
C.	INDUSTRIAL	SCRAP AND RUBBISH	70 C.Y.	1680 C.Y.	20160 C.Y.
D.	AGRICULTURAL	NONE			
E.	OTHER	NONE			

RECEIVED

AUG 20 1973

31. AT THE ABOVE RATE OF USE, THE USEFUL LIFE OF THE FACILITY IS ESTIMATED TO BE 15 YEARS.

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

32. SEWAGE SLUDGE AND OTHER HAZARDOUS WASTE WILL NOT BE ACCEPTED.

### B. DESCRIPTION OF OPERATING PROCEDURES

34.

THIS SITE HAS BEEN IN OPERATION FOR SIX YEARS AND IS ESTIMATED TO BE 40 % COMPLETED AS A LAND FILL. THE WASTE DISPOSAL SERVICE IS USED BY MANY INDIVIDUALS PLUS A FEW COMMERCIAL AND INDUSTRIAL CUSTOMERS. THE MATERIAL IS BROUGHT TO THE SITE IN PASSENGER CARS, PICK-UP TRUCKS AND AN OCCASIONAL LARGE SEMI TRAILER OF 300 - 350 CU. FT. CAPACITY. THE METHOD IN USE SUCCESSFULLY THESE PAST SIX YEARS HAS BEEN ONE OF AREA FILL. IT MUST BE REMEMBERED THIS PART ALREADY FILLED OR BEING FILLED WAS THE SPOIL BANK REMAINS OF A COAL STRIPPING OPERATION. FILLING IS NOW EXPANDING OUTSIDE THE OLD STRIP AREA AS DESIGNATED ON THE DRAWING D-16-19-11-04 ATTACHED. A CELL COMPOSED OF TWO OR THREE COMPACTED LAYERS OF FILL AND COVERING AN AREA OF 25 FEET WIDE BY 40 FEET LONG WILL BE PRODUCED BY A FULL DAY OF OPERATION.

POSTED HOURS OF OPERATION ARE WEEKDAYS 7 A.M. TO 4 P.M., SATURDAYS 7 A.M. TO 1 P.M., CLOSED SUNDAYS. PERSONNEL REMAIN AFTER CLOSING TO COMPLETE THE EARTH COVER OF THAT PERIOD OF OPERATION JUST FINISHED.

### C. OPERATING REQUIREMENTS

35.

THERE ARE THREE FULL TIME EMPLOYEES. THE OFFICE MANAGER KEEPS RECORDS OF FEES RECEIVED, COLLECTS THE FEES AND ISSUES INSTRUCTIONS FOR GUIDANCE OF THE DRIVERS TO THE UNLOADING STATION. SINCE THIS STATION IS USUALLY IN SIGHT OF THE OFFICE, TRAFFIC DIRECTION OR CONTROL HAS NOT DEVELOPED INTO ANY PROBLEM. NEVERTHELESS, DIRECTIONAL ARROW SIGNS ARE AVAILABLE AND USED ON OCCASION.

RECEIVED

PART V - LF - OPERA AUG 20 1973 PLAN

35. (CONTINUED)

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

THE PIT FOREMAN IS ALSO THE BULLDOZER OPERATOR. HE GIVES UNLOADING INSTRUCTIONS AND SUPERVISES THE UNLOADING. ALSO, HE OPERATES THE BULLDOZER FOR SPREADING, COMPACTING AND COVERING THE LAND FILL. MUCH OF THE COVERING OPERATION IS COMPLETED AFTER CLOSING HOURS AT THE GATE.

A MECHANIC IS ON DUTY AND SERVES THE DUAL ROLE OF MAINTENANCE AND REPAIR OF EQUIPMENT, PLUS OPERATING A BULLDOZER OR TRACTOR AND CARRY-ALL SCRAPER TO ASSIST THE PIT FOREMAN.

PART-TIME WORKERS ARE USED TO RETRIEVE ANY LITTER DROPPED BY THE INCOMING TRUCKS OR BLOWN FROM THE UNLOADING STATION. THESE WORKERS HAVE THEIR WORKING HOURS ON SATURDAYS. ALSO, SUNDAY IF NECESSARY.

THE FILL IS PLACED IN AN AREA EXCAVATED FOR THAT PURPOSE IN LAYERS AVERAGING 30 TO 36 INCHES IN COMPACTED THICKNESS. A CELL IS THEREBY FORMED OF TWO TO THREE LAYERS COVERING AN AREA OF 25 FOOT WIDTH AND ABOUT 40 FEET IN LENGTH.

PORTABLE WOVEN WIRE FENCING IS USED TO CONTAIN BLOWN LITTER. THIS FENCING IS CONCENTRATED PRINCIPALLY IN THE UNLOADING AREA AND MOUNTED ON POSTS SET IN MOVABLE BASES. THE END-LOADER IS USED TO RELOCATE THE POSTS AS THE FILLING PROGRESSES.

THE SMALL SIZE OF THIS OPERATION PLUS THE VERY CAREFUL MANNER IN WHICH THE 6 INCHES OF DAILY COVER IS PLACED HAS ELIMINATED RODENT PROBLEMS, FLIES AND BIRDS. DURING THE DAYS OPERATION THERE IS A RELATIVELY SMALL AREA EXPOSED AT ANY ONE TIME. FURTHER, THE UNLOADING, SPREADING, COMPACTING AND COVERING ACTIVITIES CONCENTRATED IN THIS SMALL AREA TEND TO DISCOURAGE RODENTS AND BIRDS.

ROADS AND DRIVES ARE KEPT IN GOOD REPAIR, FREQUENTLY SHAPED AND OILED. THIS TAKES CARE OF THE MAJOR SOURCE OF DUST.

MANAGEMENT HAS TO COMPLETE FILLING ONE REMAINING EVAPORATION BED. THE POLICY IS NOW TO DECLINE TO ACCEPT ANY LIQUID WASTE. IT IS EXPECTED THUS TO REMOVE THE SOURCE OF ODOR THAT MAY BE CONSTRUED TO BE OBJECTIONABLE.

SURFACE DRAINAGE IS CAREFULLY MANAGED TO AVOID ANY CONCENTRATION OF RUNOFF OVER ANY FILLED AREA. COVER IS PLACED TO KEEP SMOOTH AND EVEN CONTOURS AND THUS RUNOFF DOES NOT TEND TO CONCENTRATE BUT REMAIN A SHEET FLOW.

AFTER PLACEMENT OF THE 24 INCHES OF COMPACTED FINAL COVER, THE ENTIRE LAND FILL SITE WILL BE PREPARED FOR SEEDING BY CULTIVATING, FERTILIZING, MULCHING, SEEDING AND WATERING. FESCUE GRASSES AND ANY OTHER MIXTURE RECOMMENDED BY THE VERMILION COUNTY CONSERVATION DISTRICT PERSONNEL WILL BE USED TO ESTABLISH A THICK VEGETATION. THIS IS THE BEST MEANS OF EROSION CONTROL ON THESE SLOPES OF ABOUT 4:1. LATER, SOME TREES WILL BE PLANTED.

PART V - LF - OPERATING PLAN

35. (CONTINUED)

ONE OF THE BORE HOLES MADE ON THIS JOB WAS CASED FOR USE AS A MONITORING WELL. THIS ADDED FEATURE WILL PERMIT CHECKING FOR UNDERGROUND WATER MOVEMENT, CONTAMINATION AND GAS FORMATION. PAST EXPERIENCE IN THE OPERATION OF THIS FACILITY DOES NOT SHOW GAS TO BE A PROBLEM. PREHAPS THE LOW RATIO OF GARBAGE TO OTHER WASTES SUCH AS RUBBISH AND STABLE MATERIALS WOULD ACCOUNT FOR THIS CONDITION.

36.

HAZARDOUS WASTES ARE NOT ACCEPTED AT THIS SITE.

37.

EQUIPMENT USED ON THIS JOB INCLUDE THE FOLLOWING

1 TD-24 BULLDOZER  
1 D-7 "  
1 D-8 TRACTOR  
1 C-60 SCRAPER  
1 INT.175 END LOADER

RECEIVED

AUG 20 1973

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

38.

DRAWING NUMBER D-16-19-11-12 ATTACHED HERETO SHOWS THE PLAN FOR FINAL GRADING. PREPARATION FOR, AND MEANS USED TO PROVIDE VEGETATION FOR THE SITE WERE SET FORTH IN ITEM 35. THE OWNER WILL RETAIN TITLE TO AND MAINTAIN THIS SITE FOR A PERIOD OF AT LEAST FIVE YEARS OR OBTAIN A VARIANCE TO COVER SALE OF SAME.

39.

I HEREBY AFFIRM THAT ALL INFORMATION CONTAINED IN THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE OF APPLICANT:

Joseph D Thomas

ATTEST:

Catherine J Thomas

SIGNATURE OF ENGINEER:

Frederick L. Freidler 8/15/73

ILLINOIS REGISTRATION NUMBER 15073

ATTEST:

Arlene H Freidler